

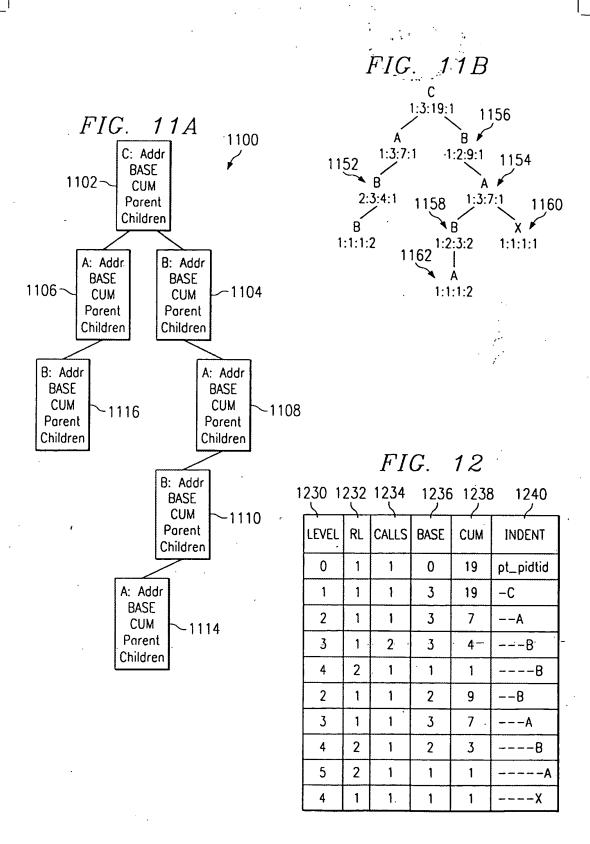
SAMPLE	CALL STACK SAMPLE				
1	C .				
2	CAB				
3	CAB				
4	CAB				
5	С				
6	CBA				
7	CBABA				
8	CBA				
9	СВА				
10	С				

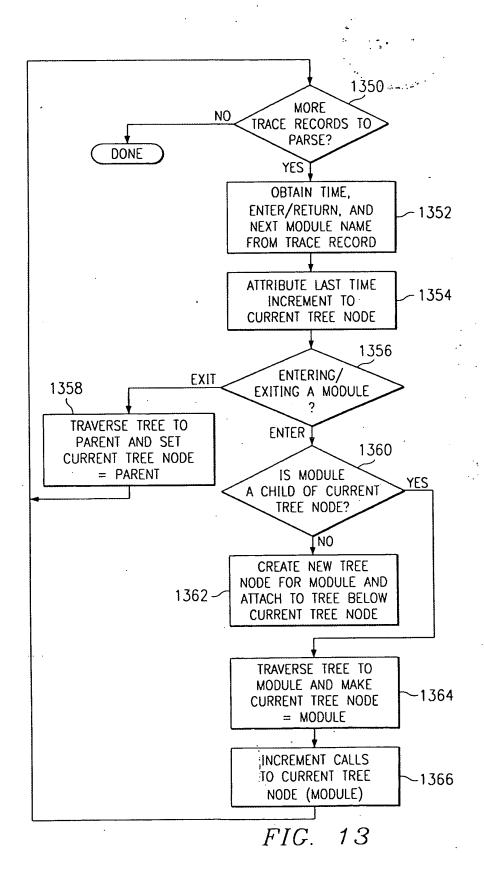
FIG. 10B

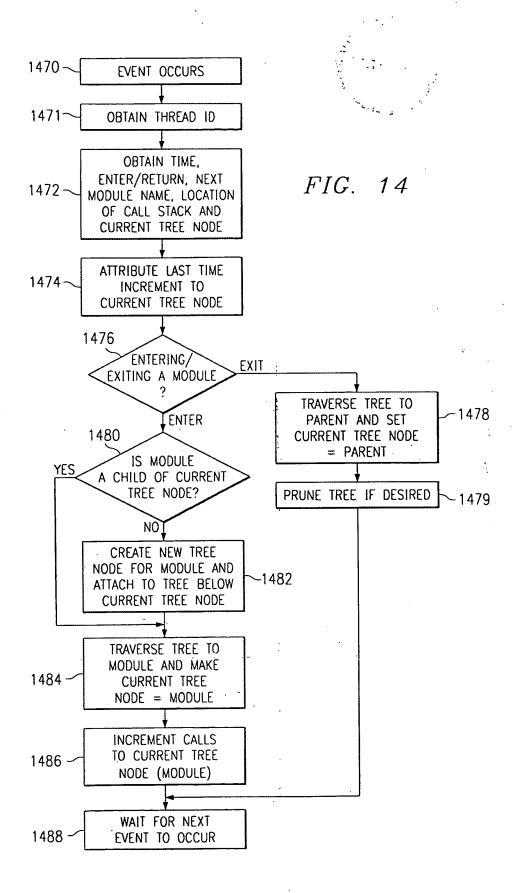
		i,	o de la companya della companya della companya de la companya della companya dell	90	900		
902	904	906	908		910		
PID	TID	addr1	oddr2	000	oddrN		
FIG. 9							

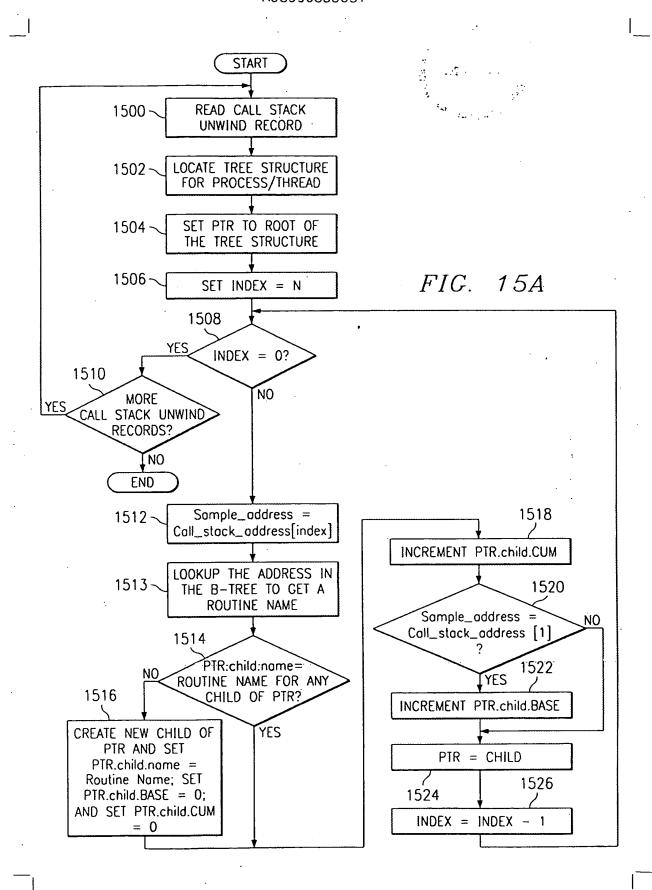
TIMESTAMP	EVENT	CALL STACK AFTER EVENT	
. 0	ENTER C		
1	ENTER A	C .	
2	ENTER B	CA	
3	EXIT FROM B	ĊAB	
4	ENTER B	CA	
5	ENTER B	CAB	
6	EXIT FROM B	CABB	
7	EXIT FROM B	CAB	
8	EXIT FROM A	CA	
. 9	ENTER B	С	
10	ENTER A	СВ	
11	ENTER B	CBA	
12	ENTER A	CBAB	
13	EXIT FROM A	CBABA	
14	EXIT FROM B	CBA	
15	ENTER X	CBAX	
16	EXIT FROM X	CBA	
17	EXIT FROM A	СВ	
18	EXIT FROM B	С	
19	EXIT FROM C		

FIG. 10A









BEGIN

READ VALUE TO OBTAIN
PROGRAM COUNTER VALUE

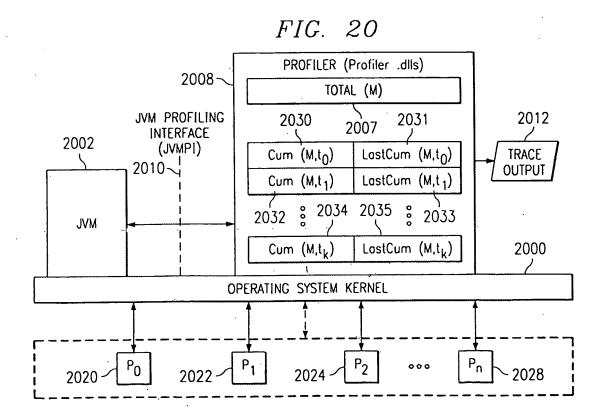
1552
YES
OF FILE
PND
NO
LOOK UP PROGRAM
COUNTER IN GLOBAL MAP

OBTAIN PROCESS +.

FUNCTION ID

1556 -

	·,	1600			
٠	1602	1604	1606	1608	<i>,</i>
	CALLS	BASE	СИМ	NAME	<i>::</i>
	1	0	19	pt_pit.tid	
ĺ	1	3	19	С	٠.
-	3	7	14	·A	
	5	8	13	В	
	1	1	1	Х	



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ArcFlow Output

Bose - Time/Instructions directly in function

Cum - Time/Instructions directly & indirectly in function ArcFlow Invarients:

1700

- 1) Sum(Parent(Calls)) = Self(Calls)
- 2) Sum(Parent(Base)) = Self(Base)
- 3) Sum(Parent(Cum)) = Self(Cum)
- 4) Sum(Child(Cum)) = Self(Cum)-Self(Bose)

Source	Calls	Base	Cum	Function
Self	.1	0	19	[0] pt_pidtid
Child	1	3	19	C
Porent	1	3	19	pt_pidtid
Self	1	- 3	19	[1] C
Child	1	2	9	В
Child	1	3	7	·A
Parent	1	3	7	С
Parent	1	3	· 7	В
rParent	1	1	1	В
Self	. 3	7	17	[2] A
			15	
Child	. 3	5	7	В
Child	1	1	1	X
Parent	2	3	4	A
rParent	1	2	3	Α
Porent	1	2	9	С
Self	5	8	13	[ <u>3]</u> B
			17	
Child	1	3	7	Α
rChild	1	1	1	Α .
Child	1	1	1	B
Porent	1	1	1	Α
Self	1	1	1	[4] X

FIG. 17

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Unit Toto		: Ticks : 34	12		1800	
LvL	RL	Calls	Bose	Cum	Indent Name	
1	1	1	0	342	Thread-21(0xe0046618)	
2	1	3	0	342	J:nulltestScore()I	
3	1	2	0	272	J:nulltestMilliseconds(I)I	
4	1	29450	.0	271	J:nullexecute()I	
5	1	271	0	271	+ stock_0x40	
6	1	271	0	271	+- F:ExecuteJovo <del>→</del> 1802	jj
7	1	271	0	271	+ F:jit_invokeCompiledEntryMethod	
8	1	271	0	271	+ F:_jit_invokeentry	
9	1	271	0	271	+ F:JITInvokeCompiledEntryMethod_md	
10	1	271	0	271	++ J:nullrun()V	
11	2	271	0	271	+ J:nulltestScore()I	1806
12	2	271	0	271	+ J:nulltestMilliseconds(I)I	
13	2	271	268	271	+ J:nullexecute()I	
14	1	2	0	2	+ F:jperf_methodEntry	
15	1	2	0	2	++ F:SoftTracehook	
16	1	2	2	2	++- F:enoble_interrupts	
14	1	1	1	1	+ F:jperf_methodExit	· <b>]</b>
4	1	1	0	1	stack_0x40	
5	1	1	0	1	+ F:ExecuteJovo -1804	J
6	1	1	0	1	+- F:jit_invokeCompiledEntryMethod	
7	1	1	0	1	+ F:_jit_invokeentry	
8	1	1	0	1	+ F:JITInvokeCompiledEntryMethod_md	
9	1	1	0	1	+ J:nullrun()V	
10	2	, 1	0	1	++ J:nulltestScore()I	≱1808
11	2	1	0	1	++- J:nulltestMilliseconds(1)1	1000
1-2	-1	1	0.		+ J:nullexecute()I	
13	1	1	0	1	+ F:jperf_methodExit	
14	1	1	0	1	+ F:SoftTracehook	
15	1	1	1	1	++ F:enable_interrupts	
4	1	2	0	0	J:nullcleanUp()I	]

FIG. 18

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FIG. 19

	1 10.			·		т	
MAJOR CODE	MINOR CODE	DATA ITEM 1	DATA ITEM 2	DATA ITEM 3"	DATA ITEM-4	DATA ITEM 5	DESCRIPTION
0x4	LEVEL + 0x1	DEPTH	N/A	N/A	N/A		BEGIN INTERRUPT AT LEVEL
0×4	LEVEL + 0x80000001	DEPTH	N/A	N/A	N/A		END INTERRUPT AT LEVEL
0×10	Oxob	SYSTEM TID	JAVA TID	IS SYSTEM THREAD (BOOLEAN)	N/A		THREAD CREATED WITHOUT A NAME WHILE TRACE ACTIVE
0×10	Охас	SYSTEM TID	N/A	N/A	N/A		IDENTIFIES THE IDLE THREAD
0x10	0xad	SYSTEM TID	N/A	N/A	N/A		IDENTIFIES THE GARBAGE COLLECTION THREAD
0x10	0xoe	SYSTEM TID	JAVA TID	THREAD NAME	N/A		THREAD CREATED WITH A NAME WHILE TRACE ACTIVE
0x30	0x10	OBJECT ID	METHOD BLOCK ADDRESS	N/A	N/A		METHOD INVOCATION (INTERPRETED)
0x30	0x10 + 0x80000000	OBJECT ID	METHOD BLOCK ADDRESS	N/A	N/A		METHOD EXIT (INTERPRETED)
0x40	Ox7fffffff	NUMBER (n) OF STACK UNWINDS AT TIMER INTERRUPT	pc1-Program Counter of Interrupted Routine	pc2-CALLER OF INTERRUPTED ROUTINE		pcn-1 OF n-2nd CALLER OF INTERRUPTED ROUTINE	pcn OF n-1st CALLER OF INTERRUPTED ROUTINE
0x41	0×7ffffff	NUMBER (n) OF STACK UNWINDS AT INSTRUMENTED ROUTINE	pc1-PROGRAM COUNTER OF INSTRUMENTED ROUTINE	pc2-CALLER OF INSTRUMENTED ROUTINE			pcn OF n-1st CALLER OF INSTRUMENTED ROUTINE
0x50	0x10	OBJECT ID	METHOD BLOCK ADDRESS	N/A	N/A		METHOD INVOCATION (JITTED)
0×50	0x10 + 0x80000000	OBJECT ID	METHOD BLOCK ADDRESS	N/A	N/A		METHOD EXIT

